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1 [Lazy XML processing](#)

Markus L. Noga, Steffen Schott, Weif Löwe

November 2002 **DocEng '02: Proceedings of the 2002 ACM symposium on Document en**  
**Publisher: ACM**Full text available: Pdf (197.96 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 50, Citation Count: 9

This paper formalizes the domain of tree-based XML processing and classifies several implementation approaches. The lazy approach, an original contribution, is presented. Proceeding from experimental measurements, we derive a selection strategy ...

**Keywords:** XML, document object model, lazy evaluation, parsing2 [XML-enabled workflow management for e-services across heterogeneous platfor](#)

German Shegalov, Michael Gillmann, Gerhard Weikum

August 2001 **The VLDB Journal — The International Journal on Very Large Data B**

10 Issue 1

**Publisher:** Springer-Verlag New York, Inc.Full text available: Pdf (662.54 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 109, Citation Count: 15

Advanced e-services require efficient, flexible, and easy-to-use workflow technology. integrates well with mainstream Internet technologies such as XML and Web servers. discusses an XML-enabled architecture for distributed workflow management ...

**Keywords:** Business processes, Information system interoperability, Internet e-serv  
Workflow management, XML/XSL3 [A programming framework for quality-aware ubiquitous multimedia applications](#)

Duangdao Wichadakul, Xiaohui Gu, Klara Nahrstedt

December 2002 **MULTIMEDIA '02: Proceedings of the tenth ACM international conferen**  
**Multimedia****Publisher:** ACMFull text available: Pdf (1.60 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 36, Citation Count: 6

Ubiquitous computing promises a computing environment that seamlessly and pervas applications to the user, despite changes of resources, devices, and locations. Howev ubiquitous multimedia applications (UMAs) exist up-to-date. One ...

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### Honey, I shrunk the XQuery!: an XML algebra optimization approach

Xin Zhang, Bradford Pelech, Elke A. Rundensteiner

November 2002 **WIDM '02**: Proceedings of the 4th international workshop on Web information data management

**Publisher:** ACM

Full text available: Pdf (375.44 KB)

**Additional Information:** full citation, abstract, references, cited by

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 41, Citation Count: 12

A lot of work is being done in the database community on mapping of XML data into relational database systems, specifically, the query processing over such data using. To discuss our solution, the XML Algebra Tree (XAT), as part of ...

**Keywords:** XML, XQuery, algebra, operator, optimization, relational

### 5 Towards static type checking for XSLT



Akihiko Tozawa

November 2001 **DocEng '01**: Proceedings of the 2001 ACM Symposium on Document Engineering

**Publisher:** ACM

Full text available: Pdf (175.21 KB)

**Additional Information:** full citation, abstract, references, cited by

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 31, Citation Count: 21

We are concerned about the *static type checking* problem for XSLT. In the context of other XML programming, *types* are DTDs or schemas, and *static type checking* is to verify that a program always converts valid source documents ...



### 6 Engineering component-based net-centric systems for embedded applications

Jens H. Jahnke

September 2001 **ESEC / FSE-9**: Proceedings of the 8th European software engineering conference jointly with 9th ACM SIGSOFT international symposium on Foundations of software engineering

**Publisher:** ACM

Full text available: Pdf (1.39 MB)

**Additional Information:** full citation, abstract, references, cited by

**Bibliometrics:** Downloads (6 Weeks): 2, Downloads (12 Months): 48, Citation Count: 3

The omnipresence of the Internet and the World Wide Web (Web) via phone lines, cable power lines, and wireless RF devices has created an inexpensive media for telemonitoring and remotely controlling distributed electronic appliances. The great variety ...

**Keywords:** SDL, component-oriented development, embedded software, network-centric computing

Also published in:

September 2001 **SIGSOFT Software Engineering Notes** Volume 26 Issue 5



### 7 ObjectGlobe: Ubiquitous query processing on the Internet

R. Braumandl, M. Keidl, A. Kemper, D. Kossmann, A. Kreutz, S. Seltzsch, K. Stocker

August 2001 **The VLDB Journal — The International Journal on Very Large Data Bases**

10 Issue 1

**Publisher:** Springer-Verlag New York, Inc.

Full text available: Pdf (251.44 KB)

**Additional Information:** full citation, abstract, references, cited by

**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 81, Citation Count: 18

We present the design of ObjectGlobe, a distributed and open query processor for Internet data sources. Today, data is published on the Internet via Web servers which have, if at all,

localized query processing capabilities. The goal of the ObjectGlobe ...

**Keywords:** Cycle-, function- and data provider, Distributed query processing, Open Privacy, Quality of service, Query optimization, Security

## 8 Interoperable Web services for computational portals

Marion Pierce, Geoffrey Fox, Choonhan Youn, Steve Mock, Kurt Mueller, Ozgur Balseoy  
November 2002 **Supercomputing '02: Proceedings of the 2002 ACM/IEEE conference on Supercomputing**

**Publisher:** IEEE Computer Society Press

Full text available:  Pdf (278.00 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 78, Citation Count: 8

Computational web portals are designed to simplify access to diverse sets of high per computing resources, typically through an interface to computational Grid tools. An ir shortcoming of these portals is their lack of interoperable and ...

## 9 Middleware for Reactive Components: An Integrated Use of Context, Roles, and Based Coordination

Andry Rakotonirainy, Jaga Indulska, Seng Wai Loke, Arkady B. Zaslavsky  
November 2001 **Middleware '01: Proceedings of the IFIP/ACM International Conference Distributed Systems Platforms Heidelberg**


**Publisher:** Springer-Verlag

Full text available:  Pdf (283.65 KB) Additional Information: [full citation](#), [references](#), [cited by](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 7, Citation Count: 3

## 10 XSLT powers a new wave of web applications

Cameron Laird  
March 2002 **Linux Journal** , Volume 2002 Issue 95  
**Publisher:** Specialized Systems Consultants, Inc.

Full text available:  Html (17.61 KB) Additional Information: [full citation](#), [abstract](#), [index terms](#)


**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 16, Citation Count: 0

Cameron explains the mysteries of XSLT and its multiple uses.

## 11 Separating access control policy, enforcement, and functionality in extensible sys

 Robert Grimm, Brian N. Bershad  
February 2001 **Transactions on Computer Systems (TOCS)** , Volume 19 Issue 1

**Publisher:** ACM

Full text available:  Pdf (164.03 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#), [review](#)






**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 129, Citation Count: 3

Extensible systems, such as Java or the SPIN extensible operating system, allow for i or extensions, to be added to a running system in almost arbitrary fashion. Extensior interact through low-latency but type-safe interfaces to ...



**Keywords:** Java, SPIN, access check, auditing, extensible systems, policy-neutral er protection domain, protection domain transfer, security policy

## 12 New products

Linux Journal Staff  
February 2002 **Linux Journal** , Volume 2002 Issue 94  
**Publisher:** Specialized Systems Consultants, Inc.

Full text available:  [HTML \(7.00 KB\)](#)Additional Information: [full citation](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 2, Citation Count: 0**13** [Enabling full service surrogates using the portable channel representation](#) Micah Beck, Terry Moore, Leif Abrahamsson, Christophe Achouiantz, Patrick Johansson  
April 2001 **WWW '01: Proceedings of the 10th international conference on World Wide Web**  
**Publisher:** ACMFull text available:  [PDF \(282.92 KB\)](#)Additional Information: [full citation](#), [references](#), [cited by](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 19, Citation Count: 1**Keywords:** content distribution, dynamic content, mirroring, portability, replication, web server**14** [Model-driven development of Web applications: the AutoWeb system](#) Piero Fraternali, Paolo Paolini  
October 2000 **Transactions on Information Systems (TOIS)**, Volume 18 Issue 4  
**Publisher:** ACMFull text available:  [PDF \(6.94 MB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 129, Downloads (12 Months): 520, Citation Count: 25

This paper describes a methodology for the development of WWW applications and a environment specifically tailored for the methodology. The methodology and the devt environment are based upon models and techniques already used in the hypermedia,

**Keywords:** HTML, WWW, application, development, intranet, modeling**15** [SilkRoute: A framework for publishing relational data in XML](#) Mary Fernández, Yana Kadiyska, Dan Suciu, Atsuyuki Morishima, Wang-Chiew Tan  
December 2002 **Transactions on Database Systems (TODS)**, Volume 27 Issue 4  
**Publisher:** ACMFull text available:  [PDF \(687.91 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [cited by](#)**Bibliometrics:** Downloads (6 Weeks): 13, Downloads (12 Months): 113, Citation Count: 31

XML is the "lingua franca" for data exchange between interenterprise applications. In we describe SilkRoute, a framework for publishing relational data in XML. In SilkRoute data is published in three steps: the relational tables ...

**Keywords:** XML, XML storage systems, XQuery**16** [A web-oriented architectural aspect for the emerging computation tapestry](#)[Kevin Sullivan](#), [Arneesh Saxena](#)  
July 2001 **ICSE '01: Proceedings of the 23rd International Conference on Software Eng**  
**Publisher:** IEEE Computer SocietyFull text available:  [Publisher Site](#),  [PDF \(133.72 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 13, Citation Count: 0

*An emerging tapestry of computations will soon integrate systems around the globe, without central control. Its complexity will be vast. We need new ideas, tools and me map, understand and manage this tapestry. We contribute ...*

**Keywords:** architectural aspect, noosphere, software, web interface


## 17 Active rules for XML: A new paradigm for E-services

Angela Bonifati, Stefano Ceri, Stefano Paraboschi

August 2001 **The VLDB Journal — The International Journal on Very Large Data B**

10 Issue 1

**Publisher:** Springer-Verlag New York, Inc.

Full text available:  Pdf (81.58 KB)


Additional Information: full citation, abstract, references, cited by

**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 48, Citation Count: 12

XML is rapidly becoming one of the most widely adopted technologies for information and representation. As the use of XML becomes more widespread, we foresee the development of active XML rules, i.e., rules explicitly designed for the management ...

**Keywords:** Active databases, Document management, Query languages for XML, XML

## 18 Managing XML data storage

 Jerry Emerick

June 2002 **Crossroads**, Volume 8 Issue 4

**Publisher:** ACM

Full text available:  Html (34.16 KB),  Pdf (68.26 KB) Additional Information: full citation, references, cited by


**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 75, Citation Count: 0

## 19 Rule-Based Transactional Object Migration over a Reflective Middleware

Damián Arregui, François Pacull, Jutta Willamowski

November 2001 **Middleware '01: Proceedings of the IFIP/ACM International Conference Distributed Systems Platforms Heidelberg**


**Publisher:** Springer-Verlag

Full text available:  Pdf (180.88 KB)

Additional Information: full citation, references, cited by

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 4, Citation Count: 2

## 20 Profiles for the situated web

 Lalitha Suryanarayana, Johan Hjelm

May 2002 **WWW '02: Proceedings of the 11th international conference on World Wide Web**

**Publisher:** ACM

Full text available:  Pdf (263.89 KB)

Additional Information: full citation, abstract, references, cited by

**Bibliometrics:** Downloads (6 Weeks): 5, Downloads (12 Months): 67, Citation Count: 3

The World Wide Web is evolving into a medium that will soon make it possible for developing and implementing situation-aware services. A situation-aware or situated web application renders the user with an experience (content, interaction ...)

**Keywords:** CC/PP, XML, profiles, situated-aware applications, vocabulary, web architecture

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